

## EAST Search History

| Ref # | Hits | Search Query   | DBs                                       | Default Operator | Plurals | Time Stamp       |
|-------|------|--|---|------------------|---------|------------------|
| L1    | 163  | ((pipe power) near (tong tongs))<br>tong tongs) same (jaw jaws) with (roll<br>rolls rollers bearing bearings)  | US-PGPUB;<br>USPAT;<br>EPO; JPO           | OR               | OFF     | 2007/03/23 18:10 |
| L2    | 151  | 81/57.16.ccls.   | US-PGPUB;<br>USPAT;<br>EPO; JPO           | OR               | OFF     | 2007/03/23 18:19 |
| L3    | 100  | 81/57.15.ccls.   | US-PGPUB;<br>USPAT;<br>EPO; JPO           | OR               | OFF     | 2007/03/23 18:26 |
| L4    | 52   | 81/57.17.ccls.   | US-PGPUB;<br>USPAT;<br>EPO; JPO           | OR               | OFF     | 2007/03/23 18:38 |
| L5    | 225  | 81/57.19-57.21.ccls.   | US-PGPUB;<br>USPAT;<br>EPO; JPO           | OR               | OFF     | 2007/03/23 18:40 |
| L6    | 9    | ((pipe power back) near2 (tong<br>tongs)) tong tongs) same (jaw jaws)<br>with (roller adj (bearing bearings))  | US-PGPUB;<br>USPAT;<br>EPO; JPO           | OR               | OFF     | 2007/03/23 19:07 |
| L7    | 1    | "5904075".pn.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR               | OFF     | 2007/03/23 19:21 |
| L8    | 28   | ("2544639"   "3180186"   "3545313"  <br>"3799009"   "4030746"   "4084453"  <br>"4304433"   "4381169"   "4404876"  <br>"4426869"   "4441749"   "4546681"  <br>"4576067"   "4631987"   "4647099"  <br>"4649777"   "4709599"   "4759239"  <br>"4811635"   "5150642"   "5291808"  <br>"5417464"   "5542318").PN. OR<br>("5904075").URPN. | US-PGPUB;<br>USPAT;<br>USOCR              | OR               | OFF     | 2007/03/23 19:25 |
| L10   | 1    | (tong with ring with (cam cammed<br>camming cams) with jaw with (slide<br>slides sliding)).clm.  | US-PGPUB                                  | OR               | OFF     | 2007/03/23 19:59 |
| L11   | 1    | (tong same ring with (cam cammed<br>camming cams) with jaw with (slide<br>slides sliding)).clm.  | US-PGPUB                                  | OR               | OFF     | 2007/03/23 20:00 |
| L12   | 1    | (tong same ring with (cam cammed<br>camming cams) same jaw with (slide<br>slides sliding)).clm.  | US-PGPUB                                  | OR               | OFF     | 2007/03/23 20:00 |
| L13   | 1    | (tong same ring with (cam cammed<br>camming cams) same jaw same (slide<br>slides sliding)).clm.  | US-PGPUB                                  | OR               | OFF     | 2007/03/23 20:00 |
| L14   | 1    | (tong same ring with (cam cammed<br>camming cams) and jaw same (slide<br>slides sliding)).clm.   | US-PGPUB                                  | OR               | OFF     | 2007/03/23 20:00 |

## EAST Search History

|     |   |   |          |    |     |                  |
|-----|---|---|----------|----|-----|------------------|
| L15 | 1 | (tong and ring with (cam cammed camming cams) and jaw same (slide slides sliding)).clm. | US-PGPUB | OR | OFF | 2007/03/23 20:00 |
| L16 | 1 | (tong and ring and (cam cammed camming cams) and jaw same (slide slides sliding)).clm.  | US-PGPUB | OR | OFF | 2007/03/23 20:00 |
| L17 | 1 | (tong and ring and (cam cammed camming cams) and jaw and (slide slides sliding)).clm.   | US-PGPUB | OR | OFF | 2007/03/23 20:00 |